KISTER, E.G.; ZLOTNIK, D.Ye.

Thermal stability and stabilization of mud suspensions. Trudy
VNIIBT no.8:19-26 '63.

Oxyethylated surface-active reagents for clay muds. Ibid.:27-35
(MIRA 17:9)

KISTER, E.G.; MARTIROSOV, N.Ya.; NIKITIN, Yu.Z.; GOSTEV, B.S.

Using chromates to increase the thermal stability of clay
muds. Neft. khoz. 42 no.7:23-26 Jl '64.   (MIRA 17:8)

KISTER, E.G.; LERNER, R.A.; ALIKIN, S.I.; GRAF, E.K.; MARIAMPOL'SKIY, N.A.

Using oxidized petrolatum to improve the lubricating qualities of
drilling muds. Burenie no.4:25-28 '65.   (MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut burovoy tekhniki
i Permskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta
burovoy tekhniki.

KISTER, E.G., ZLOTNIK, D.Ye.; MAKAROVA, L.I.; DEMENT'YEVA, G.V.; MARIAMPOL'SKIY,
M.A.

Treating drilling fluids with chromates. Burenie no.4:14-17 '64.
(MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut burovoy tekhniki;
Stavropol'skiy filial Groznenskogo neftyanogo nauchno-issledova-
tel'skogo instituta i trest "Stavropol' neftegazrazvedka".

KISTER, E.G.; ZLOTNIK, D.Ye.; POPKOVA, L.M.; NAZAROVA, V.D.; SHASKOL'-
SKAYA, T.P.

Combination chromate reagents for flushing fluids. Burenie
no.9:17-18 '65.   (MIRA 18:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut burovoy
tekhniki.

Kister, E. I.

AID P - 2091

Subject   : USSR/Mining

Card 1/2   Pub. 78 - 4/24

Authors   : Kister, E. T. and Zlotnik, D. Ye.

Title   : Measurements of the static shearing stress of mud fluids

Periodical : Neft. khoz.,   v.33,   no.4,   16-19,   Ap 1955

Abstract   : Measurements of the strength of structures which develop
             in mud fluids and which are determined by the ultimate
             statical shearing stresses are necessary for determination
             of the characteristics of their consistency, thixotropy,
             viscosity and other important physicochemical and
             technical properties. True values of those statical
             shearing stresses can be determined only by measurements
             of simple shear at constant and ultimate rates of
             deformation. These conditions are achieved in tangential
             plate sliding instruments or in rotational instruments
             with coacial cylinders. The author analyses the results

Neft. khoz., v.33, no.4, 16-19, Ap 1955   AID P - 2091

Card 2/2   Pub. 78 - 4/24

        obtained by use of rotational instruments of Russian
        production and criticizes some of their designs.

Institution: Names of some Russian scientific workers are mentioned.

Submitted : No date

POTEMKIN, K.N.; GREBNEV, S.K. Prinimali uchastiye: KIRSANOV, A.K.;
    BACHEVER, R.V.; IL'CHENKO, R.L.; POLFSHKO, Ye.S.; KISTINA, A.I.

Quantitative determination of magnetite by a gravimetric
magnetic method. Zhur. prikl. khim. 36 no.5: 981-988 My '63.
                                                    (MIRA 16:8)
        (Magnetite)   (Magetochemistry)

POTEMKIN, K.N. (Simferopol'). Prinimala uchastiye: STEPIN, A.I.

Formation of wüstite during low-temperature reduction of hematite and magnetite. Izv. AN SSSR Met. i gor. delo no.3: 17-21 My-Je '64.
(MIRA 17:7)

VASILEVSKAYA, N.L.; KISTINO, M.O.

Significance of certain hematological indexes in the early diagnosis of erythroblastosis fetalis. Vop. okh. mat. i det. 3 no.1:37-41 Ja-F '59.
(MIRA 12:2)

1. Iz kliniko-diagnosticheskoy laboratorii (zav. - starshiy nauchnyy sotrudnik N.L. Vasilevskaya) i otdeleniya novoroz dennykh (nauchnyy rukovoditel' - prof. A.F. Tur) Instituta akusherstva i ginekoloiii AMN SSSR (dir. - prof. P.A. Belshapko).
(ERYTHROBLASTOSIS FETALIS)

ARSEN'YEVA, M.G.; KISTING, M.G.

Treatment of posthemorrhagic anemias in female patients with new
hemostimulating preparations. Akt.vop.perel.krovi no.7:198-202 '59.
(MIRA 13:1)

1. Institut akusherstva i ginekologii AMN SSSR (direktor - chlen-
korrespondent AMN SSSR prof. P.A. Beloshapko).
        (BLOOD AS FOOD OR MEDICINE)   (ANEMIA)

ARSEN'YEVA, M.O.; KISTING, M.O.

New hemostimulating preparations in the treatment of posthemorrhagic
anemias in gynecological patients [with summary in English]. Akush.
i gin. 35 no.1:71-73 Ja-F '59.   (MIRA 12:2)

1. Iz otdeleniya operativnoy ginekologii (zav. - doktor med. nauk
Ye. P. Maysel') i kliniko-diagnosticheskoy laboratorii (zav. - kand.
med. nauk M.L. Vasilevskaya) Instituta akusherstva i ginekologii AMN
SSSR (dir. - chlen-korrespondent AMN SSSR prof. P.A. Beloshapko).
            (MENORRHAGIA AND METRORRHAGIA, compl.
                anemia in finct. uterine hemorrh., plasma substitute
                ther. (Rus))
            (PLASMA SUBSTITUTES, ther. use,
                anemias in funct. uterine hemorrh. (Rus))
            (ANEMIA, etiol. & pathogen.
                funct. uterine hemorrh., plasma substitute ther. (Rus))

RAINISH, M.S., KISTINO, M.G.

Is it possible to diagnose hemolytic disease by means of the Kondi Jacobescu method performed in utero? Akush. i gin. 36 no.3:81-83 My-Je '60.   (MIRA 13:12)
          (ERYTHROBLASTOSIS FETAL)

KIS TOTH, Tamas, Bedo Albert-dijas

Prime cost of nurseries of seedlings. Erdo 13 no.12:572-574 D '64.

1. Head, Nursery of Seedlings, Tolnasaiget.

KISTORYAN, Kh., kand.tekhn.nauk

Air purification in sprinkled packed filters. Prom.Arm. 6
no.1:29-31 Ja '63.   (MIRA 16:4)

1. Nauchno-issledovatel'skiy gornometallurgicheskiy institut
Soveta narodnogo khozyaystva Armyanskoy SSR.
                        (Dust collectors)

KISTORYAN, Kh.A., Cand Tech Sci -- (diss) "Accumulation of heat
in solar heating devices." Mos, 1952, 14 pp with graphs (Acad
Sci USSR. Power Engineering Inst im G.M. Krzhizhanovskiy) 150
copies (KL, 36-59, 115)

K.

- 46 -

KISTORYAN, Kh.A.

Calculating crystallization in chemical accumulators for solar heating installations. Izv.AN Arm.SSR.Ser.tekh.nauk. 12 no.1: 45-52 '59. (MIRA 12:4)

1. Energeticheskiy institut imeni G.M.Krzhizhanovskogo AN SSSR.
(Heat regenerators)   (Solar heating)

26217
S/173/60/013/005/003/004
A163/A133

$5 \cdot 1150$

AUTHOR: Kistoryan, Kh. A.

TITLE: Experimental investigation of the solidification process

PERIODICAL: Akademiya nauk Armyanskoy SSR. Izvestiya. Seriya tekhnicheskikh nauk,
            v. 13, no. 5, 1960, 57 - 60

TEXT: The article deals with experimental investigations of the solidifica-
tion process. The purpose of the article is to obtain simple formulae describing
the process of crystallization, and to compare these formulae with the results of
experiments carried out on the solidification of decahydrate of sodium sulfate
($Na_2SO_4 \cdot 10H_2O$) in a cylinder with the aid of a testing installation. The author
selects the equation of Fourier [Ref. 5: Kusmoryan, Kh. A. "Izvestiya AN Armyans-
koy SSR", ser. tekhnicheskikh nauk, v. XII, no. 1, 1959] as a basis for further
consideration and discusses the solidification of a melt in a cylindrical vessel.
The thermal resistance of the vessel wall may be disregarded and the temperature
of the cooling liquid assumed as t_{zh} = const. It is further assumed that there is
no excess heat and that the temperature of the fus on is equal to the temperature
of the crystallization t_{liqu}. A diagram shows the 'idifcation of the cylinder.

Card 1/5

26017
3/173/60/013/005/003/004

Experimental investigation of the solidification process A163/A133

It is assumed that a solid skin (thickness ζ) developed on the cylinder wall in the course of time $\Delta\tau$, and that the elementary cylindrical layer (thickness dr) has been isolated. Regarding the process as a stationary one in the course of time $\Delta\tau$, the equation of Fourier is as follows:

$$q_r = -\lambda \frac{d\theta}{dr} \qquad (1).$$

The heat flow arises as a result of a separation of the latent solidification heat q_k. In this case

$$q_r = \frac{q_k \zeta}{2\Delta\tau} \frac{r^2 - r_1^2}{r} \qquad (2).$$

When comparing (1) with (2), the following differential equation of the temperature field in the solid layer is obtained:

$$-d\theta = \frac{q_k \zeta}{2 \cdot \lambda \cdot \Delta\tau} \frac{r^2 - r_1^2}{r} dr \qquad (3).$$

The boundary conditions of the problem are:

$$\left. \begin{array}{l} \tau = 0, \quad r = R, \quad \theta = 0. \\ \tau = \Delta\tau, \quad r = r_1, \quad \theta = \theta_k = z_k - z_{st}. \\ \quad q_R = \alpha(z_{st} - z_{zh}). \end{array} \right\} \qquad (4).$$

Card 2/5

26217
3/173/60/013/005/003/004

Experimental investigation of the solidification process A163/A133

(3) may be now solved as follows:

$$M = A_1\left\{A_2 - (1-\delta^2)[A_2 - \ln(1-\sigma)^2]\right\},\tag{5}$$

where ξ = the thickness of the solid skin, m; δ = the relative thickness of the hard skin; R = cylinder radius, m; ΔT = the time, hours; q_k = latent heat, kcal/kg; λ = coefficient of the thermal conductivity of the solid skin, kcal/m·h °C; c = specific heat capacity of the solid phase, kcal/kg °C; α = coefficient of the heat emission, kcal/m²·hour °C; M = BlNF$_0$ = $\frac{\alpha(z_k-z_{zh})}{q_k\gamma R}$ = dimensionless solidification time; A_1 = Bl/4; A_2 = 1 + 2Bl; Bl = $\frac{\alpha R}{\lambda}$ = criterion of Bio; N = $\frac{c(z_k-z_{zh})}{b_k}$ = criterion of Kazoyev; and F_0 = $\frac{aT}{R^2}$ = criterion of Fourier. To check formula (5) the experimental data of A. G. Tkachev and G. N. Danilina [Ref. 6: Voprosy teploobmena pri izmenenii agregatnogo sostoyaniya veshchestva (Problems of Heat Exchange During Changes of the State of Aggregation of Substances). Gosenergoizdat, 1953] on the freezing of ice in a cylinder. The coincidence of the theoretical and experimental results may be regarded as fully satisfactory. The author and others carried out tests on the solidification of decahydrate of sodium sulfate in a cylinder. The experimental installation con-

Card 3/5

26217
S/173/60/013/005/003/004

Experimental investigation of the solidification process A163/A133

sisted of a 150-mm-high cylinder, 80 mm in diameter and placed in a cooling jacket.
A thermocouple was placed on the axis at 75 mm height. To measure the tempera-
ture changes of the water, laboratory thermometers with a graduation of $0.1^{\circ}C$ were
used at the inlet and outlet of the jacket. To repeat the tests, the solidified
salt in the cylinder was melted by feeding hot water through the jacket. For this
purpose, an electrical heat had been used. When comparing the experimental data
of a number of authors with formula (5), the greatest discrepancy between these
data was noted at $\delta = 1$, i.e. during the final solidification of the volume. The
gist of the method consists in the determination of the time of the final solidi-
fication τ'_k. This was attained by measuring the temperature of the melt on the
cylinder axis. When the inflection point (the solidification of the melt on the
cylinder axis) was attained, time τ_k was fixed. Readings were taken every five
minutes. The temperature change of the water at the outlet is due to some thermal
inertia of the heater through which the cooling water flows. The temperature
change of the heated water may be explained by an increase of the thermal resist-
ance of the hard skin. The results obtained are plotted on coordinates. The
author concludes by pointing out that, disregarding the physical heat of the so-
lidifying layer, simple formulae were obtained describing the process of crystal-

Card 4/5

KISTOSDURYAN, T.L.

Prevention of agricultural injuries. Sov. med. 18 no.7:42-43
Jl '54.   (MIRA 7:8)

1. Is Oktemberyanskoy rayonnoy bol'nitsy Armyanskoy SSR (glavnyy
vrach 0.0.Badalyan)
        (WOUNDS AND INJURIES, prevention and control
          *in agriculture)
        (AGRICULTURE
          *prev. of injuries)
        (INDUSTRIAL HYGIENE
          *agriculture, prev. of injuries)

KISTOSTURYAN, T. L.

Treating bites of poisonous snakes with magnesium sulfate. Med.paraz.
i paraz.bol.supplement to no.1:80 '57.   (MIRA 11:1)

1. Iz Oktemberyanskoy rayonnoy bol'nitsy.
       (VENOM)   (MAGNESIUM SULFATE)

KISTOSTURYAN, T. L.: Master Med Sci (diss) -- "Agricultural injuries in Oktem-beryanskiy Rayon, their prophylaxis, and methods of combatting them". Oktem-beryan, 1958. 22 pp (Min Health Armenian SSR, Oktemberyan Med Union), 200 copies (KL, No 5, 1959, 156)

KISTOSDURYAN, T.L.

Methods for selecting the type of surgery in dilatation of the veins of the spermatic cord. Urologiia 23 no.3:26-27 My-Je '58 (MIRA 11:6)

1. Iz Oktemberyanskoy rayonnoy bol'nitsy (glavnyy vrach. 0.0. Ovsepyan).
              (VARICOCELE, surg.
                    technic, evaluation (Rus))

AID P - 2711

Subject   : USSR/Mining

Card 1/1   Pub. 78 - 8/27

Author   : Kistova, V. G.

Title   : Economize on metal in prospecting drilling

Periodical   : Neft. khoz. v. 33, #6, 21, Je 1955

Abstract   : The thickness of casing tubes sent by the supply
                plant to the drilling site is often greater than
                that required, which leads to waste of metal.

Institution : None

Submitted   : No date

L 1C866-66   EWT(m)/EWP(t)/EWP(b)   TJP(c)   JD/JW

ACC NR: AP5028718   SOURCE CODE: UR/0363/65/001/011/1892/1897

AUTHOR: D'yakonov, L. I.; Kistova, Ye. M.; Maslov, V. N.; Sakharov, B. A.

ORG: Giredmet

TITLE: Study of the transport of GaP during epitaxial growing in a moist hydrogen atmosphere

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 11, 1965, 1892-1897

TOPIC TAGS: gallium compound, phosphide, epitaxial growing

ABSTRACT: A theoretical and experimental study of the kinetic relationships governing the transport of gallium phosphide in epitaxial growing was made in a system where the substrate and source were located close to each other, i. e., the arrangement employed in the sandwich method. The assumptions made by R. F. Lever (*J. Chem. Phys.* 37, 1174, 1962) were checked for the transport of GaP, which in moist hydrogen can be represented as

$$2GaP + H_2O \rightleftharpoons Ga_2O + H_2 + P_2$$

and found to be correct. A computational formula is derived which shows that the transport velocity is directly proportional to the temperature gradient and square root of the water vapor pressure, and depends almost exponentially on the temperature.

Card 1/2   UDC: 546.681'181.1:548.55

L 10866-66

ACC NR: AP5028718

The activation energy is equal to one-half of the change in the enthalpy of the above transport reaction. Orig. art. has: 3 figures, 14 formulas.

SUB CODE: 20,11,07/   SUBM DATE: 23Jun65/   ORIG REF: 005/   OTH REF: 008

HW

Card 2/2

KAIYUZHNYI, D. K.; KISELEVTSKIY, Ya.I.

City Planning - Zone System

Planning and construction of sanitation buffer zones in the Ukraine. Gig. i san., No. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, ___November___ 1954,2 Uncl.

LARINA, V.A.; TUTURINA, V.V.; KISTRUSSKAYA, T.V.

Vinylation of coals of the Irkutsk Basin. Izv. Fiz.-khim. nauch.-
issl. inst. Irk. un. 4 no.2:43-55 '59.   (MIRA 16:8)

(Irkutsk Basin—Coal)   (Vinyl compounds)

LARINA, V.A.; KISTRUSSKAYA, T.V.

Investigation of the Tugnuy and Sosnovo-Ozerskoye coals of the Buryat A.S.S.R. Izv. Fiz.-khim. nauch.-issl. inst. Irk. un. 5 no.1:50-60 '61.   (MIRA 16:8)

(Buryat A.S.S.R. —Coal—Analysis)

25(1)   SOV/146-58-5-17/24
AUTHOR: Kistrusskiy, S.I., Engineer

TITLE: Uneven Edges of Stampings

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - Priborostroy-
             eniye, 1958, Nr 5, pp 117-123 (USSR)

ABSTRACT: At the beginning of the article, the author points to
             the fact that the main fediciency in the punching pro-
             cess is the uneven edge on the surface of working
             pieces which have been worked on with a stamp. This
             problem has rarely been investigated in the literature.
             The article continues to discuss the process in which
             the uneven edge is created. The experiments were
             carried out on the usual eccentric press. The invest-
             igations took into consideration the influence of the
             following factors: the tolerance, the working results
             of the press, and space between the matrix and the
             stamp. The last two factors determine the width of
             the so-called uneven edge. The surface of the uneven
             edge is not always the same. There are part on which
Card 1/3   the imprint of the stamp can be seen and others on

Uneven Edges of Stampings   SOV/146-58-5-17/24

which they cannot be seen. The cutting does not al-
ways extend to the edge. Figure 1 shows a microphoto
(enlargement 441) of the surface in the section of the
uneven edge (a - the surface of the cutting; b - the
surface of the defect parts). Figure 2 shows a - the
uneven edge in cases in which the defect section does
not reach to the edge; and b - in cases in which the
defect section goes up to the edge (enlarged 2,000
times in the vertical and 100 times in the horizontal
direction). The following part of the article describ-
es the origin of the waste which is cut off. If the
tolerance becomes wider, the width of the defect sec-
tion is also increased. The defects are caused by
the fact, that the slit which is formed in the last
stage of the cutting, changes the direction in which
the steel shavings are cut off. The final result of
the investigation was as follows: a) The surface
of the uneven section is irregular in its micro geo-
metry. There are some sections in which are not
touched by the cutting device of the stamp. b) To
avoid the uneven edge it is necessary to instal an

Card 2/3

Uneven Edges of Stamping   SOV/146-58-5-17/24

    adjustable support on the stamp. There are 7 photo-
    graphs, 2 graphs and 6 Soviet references.

ASSOCIATION: Leningradskiy institut tochnoy mekhaniki i optiki
    (Leningrad Institute of Fine Mechanics and Optics)

Card 3/3

VALITOV, A.M.-Z.; KISTRUSSKIY, S.I.

Pneumatic draw-in ball chuck. Mashinostroitel' no.3:27 Mr '64.
(MIRA 17:4)

KISTRUSSKIY, S. I., Cand Tech Sci -- (diss) "Research into the finishing process of equipment parts involving the external contour by the method of stamping." Leningrad, 1960. 24 pp with illustrations; (Ministry of Higher and Secondary Specialist Education RSFSR, Leningrad Inst of Precision Mechanics and Optics); 200 copies; price not given; (KL, 23-60, 124)

VALITOV, A. M-Z.; KISTRUSSKIY, O.I.

Technological specifications for multiple machining of parts.
Mashinostroitel' no.8:32-35 Ag '64.   (MIRA 17:10)

KISTRUSSKIY, V. I. (Eng.)

Shoe Machinery

Rotary drier for footwear. Leg. prom. 12 No. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December   1952, Uncl.

DANIYELYAN, G.M.; KISTRUSSKIY, V.I.

Multilinear conveyor in the cutting-out department of a shoe
factory. Leg.prom. 16 no.9:43-46 S '56.   (MLRA 9:11)

1. Glavnyy inzhener Bakinskoy obuvnoy fabriki No. 1 imeni A.I.
Mikoyana (for Daniyelyan)
          (Baku--Shoe industry) (Conveying machinery)

HUNGARY

SZAMOGI, Jozsef, Dr, KOVACS, Ilona, Dr, KISTURAY, Terez, Dr; Heim Pal Hospital (Heim Pal Korhaz), and Capital City Council, Central Child Hygiene, Methodological Institute of Scientific Research and Advanced Study, Department of Pediatrics and Toxicology (Fovarosi Tanacs Kozponti Gyermekegeszsegugyi, Modszertani Tulomanyos Kutato es Tovabbkepzo Intezet) (chief physician: SZAMOGI, Jozsef, Dr), Budapest.

"Reiter's Syndrome Involving a 9 Year Old Child."

Budapest, Orvosi Hetilap, Vol 108, No 11, 12 Mar 67, pages 508-510.

Abstract: [Authors' Hungarian summary] The case of a 9 year old boy is described who was a hospitalized patient of the authors for 4 months because of polyarthritis, keratoconjunctivitis and urethritis and was under their regular observation for 17 more months after his discharge. The disease was also accompanied by stomatitis, enteritis and various nervous systemic symptoms. On the basis of the symptom complex and the course, the disease is considered to be Reiter's syndrome. Based on literature data and on the case observed, the etiology of the syndrome and its therapeutic possibilities are discussed. 3 Eastern European, 24 Western references.

1/1

PIDOPLICHKO, I.G. [Pidoplichko, I.H.], ..., red.; VOINSTVENSKIY, M.A. [Voinstvens'kyi, M.A.], doktor biol. nauk zam. otv. red.; KISTYAKIVSKIY, O.B. [Kistiakivs'kyi, O.B.], doktor biol. nauk, red.; MAZHUGA, P.M. [Mazhuha, P.M.], doktor biol. nauk, red.; ABELENTSEV, V.G. [Abelientsev, V.H.], kand. biol, nauk, red.; SHARPILO, L.D., red.

[Terrestrial vertebrates of the Ukraine; ecology, distribution, history of the fauna] Nazemni khrebetni Ukrainy; ekologiia, pozhyrennia, istoriia fauny. Kyiv, Naukova dumka, 1965. 123 p.   (MIRA 18:9)

1. Akademiya nauk URSR, Kiev. 2. Chlen-korrespondent Ukr.SSR (for Pidoplichko). 3. Institut zoologii AN Ukr.SSR (for Abelentsev, Voinstvenskiy).

ASKARINA, N.M.; KISTYAKOVSKAYA, M.Yu.; LADYGINA, N.F.; EYGES, N.R.;
     SHCHELOVANOV, N.M., prof., red.; ZAGIK, I.V., red.

     [Development and upbringing of the child from birth to
     three years of age] Razvitie i vospitanie rebenka ot rozh-
     deniia do trekh let. Moskva, Prosveshchenie, 1965. 182 p.
                                             (MIRA 18.12)

KISTYAKOVSKAYA, M.Yu.

Stability of visual reactions in children in the first
months of life. Vop.psikhol. 5   no.5:124-133 S-O '59.
(MIRA 13:3)

1. Institut pediatrii AMN SSSR, Moskva.
(Vision) (Child study)

KISTYAKOVSKAYA, M.Yu.

Development of hand movements in the child during the first half
year of life. Vop. psikhol. 8 no.1:89-100 Ja-F '62.   (MIRA 15:4)

1. Institut pediatrii AMN SSSR, Moskva.
   (MOVEMENT, PSYCHOLOGY OF)   (HAND)

KISTYAKOVSKIY, A.B. [Kistyakivs'kyi, O.B.].

Biological role of polymorphism in the plumage of the ruff
(Philomachus pugnax L.). Trudy Inst. zool. AN URSR 2:48-57
'49.
                                                            (MIRA 11:6)

(Sandpipers)   (Color of birds)

KISTYAKOVSKIY, A.B.

Materials on the zoogeography of the Pamirs. Nauk.zap.Kiev.un.9
no.615-58 '50.   (MIRA 9:10)
          (Pamirs--Zoogeography)

AFANAS'YEV, D.Ya.; BILYK, G.I.; KISTYAKOVSKIY, A.B., KOTOV, M.I., laureat
    Stalinskoy premii; KONDRATYUK, Ye.N., kandidat biologicheskikh nauk,
    otvetstvennyy redaktor; NEMIROVSKIY, R.M., redaktor; SIVACHENKO,
    Ye.K., tekhnicheskiy redaktor

[Plant and animal world of the southern Ukraine and the northern
Crimea] Rastitel'nyi i zhivotnyi mir IUga Ukrainskoi SSR i Severnogo
Kryma. Kiev, Izd-vo Akademii nauk USSR, 1952. 87 p.   (MIRA 10:2)
        (Ukraine--Botany)   (Ukraine--Zoology)
        (Crimea--Botany)   (Crimea--Zoology)

KISTYAKOVSKIY, A.B.

1. _____, D.___., _____, __.__.

2. ____ (___)

4. Crimea - Biology

7. "Plant and animal life of the southern Ukraine and northern Crimea." Reviewed by
   I. I. Puzanov, Sov. kn. No. 3, 1953.

9. **Monthly List of Russian Accessions**, Library of Congress, ____June____ 1953, Unclassified.

KISTYAKOVSKIY, A.B.; AGAFONOVA, O.Ya.

Acclimatisation of pheasants (Phasianus colchicus L.) in the
Ukrainian S.S.R. Nauk.zap.Kiev.un.13 no.12:73-86 '54.(MLRA 9:10)
(Ukraine--Pheasants)

KORNEYEV, Aleksandr Perfir'yevich; KISTYAKOVSKIY, Aleksandr Bogdanovidh;
      NEMCHANKU, Ya.M., redaktor; VULKOVA, V.I., tekhnichniy redaktor.

   [Textbook of zoogeography] Posibnyk z zoogeografii. Kyiv, Derzh.
   uchbove--pedagog.vyd-vo "Radians'ka shkola." 1956. 134 p. 50 illus.
                (Zoogeography)   (MLRA 10:4)

KISTIAKOVSKII, O.B.

Agricultural importance of shore birds. Nauk.zap.Kiev.un. 15
no.3:9?-112 '56.   (MIRA 10:7)
        (Ukraine--Limicolae) (Insects. Injurious and beneficial)

RADCHUK, V.V., otvetstvennyy red.; VOINSTVENSKIY, M.A., red.; KISTYAKOVSKIY,
A.B., red.; KORNEYEV, A.P.; red.; SOKUR, I.T., red.; PAKHOMOV,
V.V., red.; DOBROVOL'SKIY, A.A., red.; GRIB, F.M., khodozhestvenno-
tekhn.red.

[Hunting in the Ukraine] Okhota na Ukraine. Izd. 2-oe. Kiev,
Gos. izd-vo sel'khoz. lit-ry USSR. 1957. 325 p.   (MIRA 11:2)
          (Ukraine--Hunting)

KISTYAKIVSKIY, O.B. , BILAHOVSK'KIY, I.D., doktor biologichnykh nauk;
redaktor;-KAS'YANENKO, V.G., akademik, redaktor; MARKEVICH,
O.P. akademik, redaktor; PIDOPLICHKO, I.O., doktor biologichnykh
nauk, redaktor; SENCHENKO, O.S., redaktor vidavnitstva; SIVA-
CHENKO, N.K., tekhnichniy redaktor.

[Fauna of the Ukraine; in forty volumes] Fauna Ukrainy; v soroka
tomakh.Red.kolegiia I.D.Bilanovs'kyi i dr. Kyiv, Vyd-vo Akad.nauk
URSR. Vol. 4. [Kistikivs'kyi, O.B. Birds; general characteristics
of birds. Gallinaceous birds. Pigeons. Sand grouse. Rails. Cranes.
Bustards. Shore birds. Gulls] Kistiakivs'kyi. O.B. Ptakhy; zahal'na
kharakterystyka ptakhiv. Kuryni. Holuby. Riabky. Pastuehky. Zhuravli.
Drofy. Kulyky. Martyny 1957.   431 p.   (MIRA 10:6)
                         (Birds)

KISTYAKOVSKIY, A.B. [Kistyakivs'kiy, O.B.]

Birds in the region of Kakhovka Reservoir. Zbir. prats' Zool.
mus. AN URSR no.28:20-48 '57.   (MIRA 11:5)
          (Kakhovka Reservoir Region--Birds)

KISTYAKOVSKIY, Aleksandr Bogdanovich; KORNEYEV, A.P., dotsent, otv.red.;
YANKOVSKAYA, Z.B., red.; KHOKHANOVSKAYA, T.I., tekhred.

[Sexual selection and identifying specific characters in birds]
Polovoi otbor i vidovye opoznavatel'nye priznaki i ptits. Kiev,
Izd-ve Kievskogo gos.univ., 1958. 197 p.   (MIRA 12:8)
        (Birds)   (Sex (Biology))

VOINSTVENSKIY, Mikhail Anatoliyevich[Voinstvens'kyi, M.A.];
    KISTYAKOVSKII, Aleksandr Bogdanovich[Kistiakivs'kyi,
    O.B.]; NEMCHENKO, Ye.M., red.; SHVCHENKO, L.I., tekhn
    red.

[Classification key of birds of the Ukrainian S.S.R.]
Vyznachnyk ptakhiv URSR. Vyd.2. Kyiv, Radians'ka shkola,
1962. 370 p.   (MIRA 15:11)
                (Ukraine--Birds)

KISTYAKOVSKIY, A.B.; SMOGORZHEVSKIY, L.A.

Boundary of the Chinese avifaunistic complex at the Bureya
River. Nauch. dokl. vys. shkoly; biol. nauki no.3:26-29 '64.
(MIRA 17:8)
1. Rekomendovana kafedroy zoologii pozvonochnykh Kiyevskogo
gosudarstvennogo universiteta im. T.G.Shevchenko.

Use of compressors for controlling fish death in rivers. Gidrobiol.
zhur. 1 no.3:53-54   '65.   (MIRA 18:6)

2. Kirovskiy gosudarstvennyy universitet imeni Stavropol.

[illegible], A. Th., (Engr)

"Open Switching Tools." [illegible] Tech Sci, Moscow Order of [illegible] and Labor Construction Engineering Inst Imeni V. V. Kuybyshev, [illegible] Materials [illegible] energeya Moskva [illegible], 26 Feb [illegible])

SO: [illegible] 1 6, 19 Aug 1954

KISTYAKOVSKIY, A.Yu., kandidat tekhnicheskikh nauk, zasluzhennyy master
    sporta.

Experience building swimming pools. Gor.khoz.Mosk. 30 no.5:12-16
My '56.
              (Moscow--Swimming pools)   (MLRA 9:8)

KISTYAKOVSKIY, A./ zaslushennyy master sporta

　　　Collapsible swimming pool. Voen.znan. 36 no.5:38-39
　　　My '60.　　　　　　　　　　　　　　　　(MIRA 13:4)
　　　　　　　　　　(Swimming pools)

KIST'YAN, K.A., inzh. (Rostov-na-Donu)

Free vibrations of rectangular compressed and elongated plates.
Issl. po teor. sooruzh. no.8:157-163 '59.   (MIRA 12:12)
          (Elastic plates and shells--Vibration)

KIST'YAN, K.A. (Rostov-na-Donu)

Determining vibration frequencies of plates lying on a flexible founda-
tion. Prikl. mekh. 1 no.5:131-133 '65.   (MIRA 18:7)

1. Rostovskiy-na-Donu institut sel'skokhozyaystvennogo mashinostroyeniya.

KIST'YAN, K.Ya. (Rostov-na-Donu)

Approximate determination of frequencies of plate vibrations.
Prykl.mekh. 5 no.2:215-219 '59. (MIRA 12:9)

1. Rostovskiy-na-Donu institut sel'skokhozyaystvennogo mash-
inoohorudovaniya.
(Elastic plates and shells—Vibration)

KISTYAN, K. Ya

24.4200

S/198/62/008/002/011/011
D299/D301

AUTHOR: Kyst'yan, K.Ya. (Rostov-on-Don)

TITLE: On the approximate calculation of the oscillation
frequency of rectangular plates

PERIODICAL: Prykladna mekhanika, v. 8, no. 2, 1962, 219 - 222

TEXT: Two approximate methods are considered for calculating the
frequency of oscillations of rectangular isotropic plates, having
two opposite sides freely supported. The first is the method of
successive approximations, permitting one to reduce the transcen-
dental frequency-equation to an algebraic (secular) equation; this
is done by the method of initial parameters. The equations for the
first-, second-, and higher approximations are obtained, whose so-
lutions yield approximate values of the frequencies. At each stage,
a two-sided estimate is obtained, whose accuracy increases with the
order of the equation. Two numerical examples are given which show
that the accuracy of determining the fundamental frequency is al-
ready high after solving a cubic equation; the accuracy of the se-
cond- and third frequencies is sufficient, after solving equations
Card 1/2

On the approximate calculation of ...   S/198/62/008/002/011/011
                                          D299/D301

of the fourth- and fifth order. Further, the method of spectral functions is considered. If the approximate values of the coefficients A_n of the spectral function (of the secular equation) are known, then it is possible to find S.O. Bernshteyn's numbers B_n by means of the formula

$$B_n = A_1 B_{n-1} - A_2 B_{n-2} + \ldots + (-1)^{n+1} n A_n.$$

By these numbers, it is possible to determine the inequalities which yield two-sided frequency estimates. Thereby, the author obtained sufficiently accurate approximate values for the first three frequencies. There are 1 figure, 2 tables and 3 Soviet-bloc references.

ASSOCIATION: Rostovs'kyy-na-Donu instytut sil'skohospodars'koho ma-shynobuduvannya (Rostov-on-Don Agricultural Machine Building Institute)

SUBMITTED: May 3, 1961

Card 2/2

1. KIST'YAN, Ya. O.

2. USSR (600)

4. Gearing

7. A. I. Petrusevich's methods of calculating the durability of gears.
   Izv. AN SSSR. Otd. tekh. nauk no. 8, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

KIST'YAN, YA.

PHASE I   TREASURE ISLAND BIBLIOGRAPHICAL REPORT   AID 486 - I

BOOK
  Author: KIST'YAN, YA. G., Kand. of Tech. Sci.   Call No.: AF643366
  Full Title: METHODS OF CALCULATING THE STRENGTH OF GEARING
  Transliterated Title: Metodika rascheta zubchatykh zatsepleniy na
                         prochnost'

PUBLISHING DATA
  Originating Agency: Ministry of Transportation Machinery and Heavy-
    Machine Building. Central Scientific Research Institute of Technology
    and Machine Building (TsNIITMASH)
  Publishing House: State Scientific and Technical Publishing House of
    Machine-Building and Shipbuilding Literature (Mashgiz)
  Date: 1954   No. pp.: 87   No. of copies: 7,500
  Editorial Staff
    Editor: Borovich, L. S., Kand. of Tech. Sci.
PURPOSE: The book is intended for design offices of plants, design organi-
    zations, and scientific research institutes.
TEXT DATA
  Coverage: This monograph, No. 23 of the "Scientific and Technical Infor-
    mation" series, is a study of the methods of strength calculation for
    spur and bevel gearing, and for closed and open transmission devices
    of interrupted and continuous operation. They are designed as separate

1/2

Metodika rascheta zubchatykh zatsepleniy na prochnost'   AID 486 - I

    units with machined steel and cast-iron toothed wheels. The steel
wheels have a speed up to 25 m/sec. and the cast-iron wheels up to
10 m/sec.

    This monograph is the result of scientific research work in the
field of gearing recently performed in the USSR. The booklet
contains tables and charts.
No. of References: None
Facilities: Division of Mechanisms of TsNIITMASH

<div align="center">2/2</div>

KIST'IAN, Ia.G., kandidat tekhnicheskikh nauk; BOROVICH, L.S., kandidat
tekhnicheskikh nauk, redaktor; SOKOLOVA, T.F., tekhnicheskiy
redaktor.

Gearing strength calculations. Nauchno-tekhnicheskaia
informatsiia no.23:3-85 '54.   (MLRA 7:11)
         (Gearing)

KIST'YAN, Ya.G., kandidat tekhnichekikh nauk; FRENKEL', I.N., inzhener.

Experimental determination of tooth rigidity of spur gear wheels with external engagement. [Trudy] TSNIITMASH 81:172-182 '56.

(Gearing, Spur)

(MLRA 9:12)

AUTHOR: Solov'yev, A.I., Dotsent, Candidate of Technical Sciences

TITLE: Conference on Transmissions (Konferentsiya po peredacham)

PERIODICAL: Vestnik Vysshey Shkoly, 1958, # 2, pp 76 - 77 (USSR)

ABSTRACT: In September 1957, an All-Union Conference on Transmissions, convened by Odesskoye oblastnoye pravleniye nauchno-tekhnicheskogo obshchestva mashinostroiteley (Odessa Oblast' Administration of the Scientific-Technical Society of Mechanical Engineers) and the Odesskiy politekhnicheskiy institut (Odessa Polytechnic Institute) took place in Odessa. The conference was attended by 270 delegates from different plants, and scientific and educational institutions.

Professor, Doctor of Technical Sciences V.N. Kudryavtsev delivered a lecture on "Methods of Reducing the Size and Weight of Gear Transmission" in which he explained how this reduction is achieved and the industrial importance of it.

Candidate of Technical Sciences Ya.O. Kistyan (TsNIITMAsh) reported on the results of Experiments in gear couplings.

A lecture on the best selection of designs and geometry of planetary reducers with an evolvent out-of-pole coupling was delivered by Professor, Doctor of Technical Sciences V.A. Yudin.

Card 1/2

Conference on Transmissions   5-58-2-23/33

The conference planned out a calculation method for gear transmissions in respect to contact and bending strength.

A report submitted by I.A. Boltovskiy referred to questions of a rational choice of coefficients of shifts and distribution of shifts among the wheels when the angle correction by means of blocking contours is used.

Dotsent K.I. Zablonskiy of Odesskiy politekhnicheskiy institut (Odessa Polytechnic Institute) discussed in his lecture the problem of testing gear transmissions, Candidate of Technical Sciences Z.P. Pavlov (TsNIITMASh) reported on the device "Uragan".

Much interest was caused by a roller machine with an original method of imitating the teeth sliding; it was manufactured at the Odesskiy tekhnologicheskiy institut (Odessa Technological Institute). Engineer Kh.M. Crekov demonstrated it.

Dotsent G.I. Kogan-Vol'man's first report treated the questions of terminology, classification and normalization of transmissions with flexible shafts, while the second report dealt with the fundamentals of constructing flexible-shaft transmissions.

ASSOCIATION: Taganrogskiy radiotekhnicheskiy institut (Taganrog Radiotechnical Institute)

AVAILABLE: Library of Congress
Card 2/2

ZABLONSKIY, K.I., kand.tekhn.nauk, otv.red.; BOKOVICH, L.S., kand.tekhn.nauk, red.; BELYAYEV, M.S., inzh., red.; GENKIN, M.D., kand.tekhn.nauk, red.; ZAK, P.S., kand.tekhn.nauk, red.; KIST'YAN, Ya.G., kand.tekhn. nauk, red.; KUDRYAVTSEV, V.N., doktor tekhn.nauk, red.; MAL'TSEV, V.F., kand.tekhn.nauk, red.; POLOTSKIY, M.S., kand.tekhn.nauk, red.; ERLIKH, L.B., kand.tekhn.nauk, red.; NIKIFOROV, I.P., inzh., red.; KOMISSARENKO, A.R., tekhred.

[Design, construction, and analysis of drives; proceedings of the conference on problems in designing, constructing, and analyzing gear drives and flexible gearing, September 23-28, 1957] Raschet, konstruirovanie i issledovanie peredach; trudy konferentsii po voprosam rascheta, konstruirovaniia i issledovanii zubchatykh peredach i peredach gibkoi sviaz'iu 23-28 sentiabria 1957 g. Izd-vo Odesskogo politekhn.in-ta. Vol.1. 1958. 199 p. Vol.2. 1958. 94 p.

(MIRA 12:5)

1. Odessa. Politekhnicheskiy institut.
(Gearing)

KIST'IAN, Ya.G, kand. tekhn. nauk.

Criteria for the mixing of gear tooth surfaces. Vest.mash. 38
no.10:10-18 O '58.   (MIRA 11:11)
            (Gearing—Testing)

Kist'yan, Ya.d

25(1)   PHASE I BOOK EXPLOITATION   SOV/2931

Konferentsiya po voprosam rascheta, konstruirovaniya i issledovaniy
    zubchatykh peredach i peredach gibkoy svyaz'yu. Odessa, 1957

Raschet, konstruirovaniye i issledovaniye peredach; trudy
    konferentsii..., vyp. 3 (Design, Construction, and Analysis of
    Transmissions; Transactions of a Conference on Problems in
    Design, Construction, and Analysis of Gears and Flexible
    Transmissions, No. 3) /Odessa/ Izd. Odesskogo politekhn.
    in-ta, 1959. 124 p. 3,000 copies printed.

Sponsoring Agencies: Odesskiy politekhnicheskiy institut, and
    Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy
    promyshlennosti. Odesskoye oblastnoye pravleniye.

Ed.: I. P. Nikiforov, Engineer; Editorial Board: L. S. Borovich,
    Candidate of Technical Sciences; M. S. Belyayev, Engineer;
    M. D. Genkin, Candidate of Technical Sciences; K. I. Zablonskiy,
    (Resp. Ed.) Candidate of Technical Sciences; P. S. Zak,
    Candidate of Technical Sciences, Ya. G. Kist'yan, Candidate of
    Technical Sciences; V. N. Kudryavtsev, Doctor of Technical
    Sciences; V. F. Mal'tsev, Candidate of Technical Sciences;
Card 1/5

Design, Construction (Cont.)   SOV/2931

M. S. Polotskiy, Candidate of Technical Sciences; and
L. B. Erlikh, Candidate of Technical Sciences; Tech. Ed.:
A. R. Komissarenko.

PURPOSE: This book is intended for design engineers in the
machine-building and automotive industries, particularly gear
designers.

COVERAGE: The technical papers contained in this book were
originally presented at a conference on gear design held in
Odessa in 1957. A number of papers deal with the causes of
failure in modern gear drives under such severe service
conditions as seizing and jamming. To determine these causes
a study was made of the wear resistance of contact surfaces
and the rigidity of gear teeth under load. Various gear drives
and systems of engagement, including the Novikov-type gears,
which are claimed to have many superior characteristics, and the
double-enveloping type of worm gear drive are compared. A
study is made of the rigidity of gear drives, particularly
the rigidity of splined gear-to-shaft joints. A number of gear-
testing methods and devices are also listed. No personalities
Card 2/5

Design, Construction (Cont.)   SOV/2931

    are mentioned. References follow each article.

TABLE OF CONTENTS:

Design, Construction (Cont.)   SOV/2931

Card 4/5

Design, Construction (Cont.)   SOV/2931

Zablonskly, K. I. Oear-testing Installation   111

AVAILABLE: Library of Congress

Card 5/5   CO/ec
                                                        1-25-60

CHASOVNIKOV, Lev Dmitriyevich, kand. tekhn. nauk, dotsent; BOROVICH, L.S.,
     kand. tekhn. nauk, retsenzent; DIKER, Ya.I., kand. tekhn. nauk,
     retsenzent; KIST'YAN, Ya.G., kand. tekhn. nauk, retsenzent; POLOTSKIY,
     M.S., kand. tekhn. nauk, retsenzent; KLENNIKOV, V.M., inzh., red.;
     MERENSKAYA, I.Ya., red. izd-va; SOKOLOVA, T.F., tekhn. red.

     [Gear transmissions; tooth and worm gears] Peredachi zatsepleniem;
     zubchatye i cherviachnye. Moskva, Gos. nauchno-tekhn. izd-vo
     mashinostroit. lit-ry, 1961. 478 p.   (MIRA 14:7)
                         (Gearing)

KIST'YAN, Ya.O.; UNKSOV, Ye.P., doktor tekhn.nauk, prof., red.; CHASOVNIKOV,
    L.D., kand.tekhn.nauk, red.; KOZLOV, A.P., red.izd-va; UVAROVA, A.F.,
    tekhn.red.

[Methods for the stress analysis of gear transmissions] Metodika
rascheta zubchatykh peredach na prochnost'. Moskva, Mashgiz, 1963.
243 p. (Moscow. TSentral'nyi nauchno-issledovatel'skii institut
tekhnologii i mashinostroeniia. Trudy, vol. 107).   (MIRA 16:5)
                            (Gearing)

ADAMENKO, S.P., kandidat tekhnicheskikh nauk; KIST'YANTS, L.K., kandidat
tekhnicheskikh nauk.

Gas producers with internal cleaning of the gas from tar. Trudy
TSNII MPS no.135:34-64 '57.   (MIRA 10:8)
                            (Gas producers)

KIST'YANTS, L.K., kandidat tekhnicheskikh nauk.

Burning producer gas in the chambers of gas turbine locomotives.
Trudy TSNII MPS no.135:65-84 '57.   (MIRA 10:8)
                    (Gas turbine locomotives)

KIST'YANTS, L.K.; POPLAVSKIY, A.N.; OKHOTNIKOV, S.S.; MOROZOV, B.M.;
FILIPPOVA, L.S., red.; KHITROVA, K.A., tekhn. red.

[Design of burners and spray burners for heating furnaces] Kon-
struktsii gorelok i forsunok dlia nagrevatel'nykh pechei. Moskva,
Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia,
1961. 43 p.   (MIRA 14:6)
           (Burners)   (Furnaces, Heating)

ZHARKOV, B.L., kand.fiz.-mat.nauk; KIST'YANTS, L.K., kand.tekhn.nauk

Combustion of low-grade liquid fuels in vortex-type chambers. Vest.
TSNII MPS 20 no.2:18-22 '61.
(Liquid fuels)   (Gas-turbine locomotives)   (MIRA 14:3)

ZHARKOV, B.L., kand.fiziko-matematicheskikh nauk; KIST'YANTS, L.K.,
    kand.tekhn.nauk

Combustion of low quality fuels in a vortex combustion chamber with
cooled metal walls. Trudy TSNII MPS no.214:71-92 '61.

(MIRA 14:8)

(Gas turbines--Combustion) (Petroleum as fuel)

KIST'YANTS, L.K., kand.tekhn.nauk; POPLAVSKIY, A.N., inzh.

Use of natural gas for smelting pig iron in cupola furnaces. Trudy
TSNII MPS no.228:93-111 '62.   (MIRA 15:7)
          (Cupola furnaces) (Cast iron)   (Gas, Natural)

KIST'YANTS, L.K., kand.tekhn.nauk; NAIMAN, L.M., inzh.

Cooling of the fire tube of a cojnter-flow combustion chamber.
Trudy TSNII MPS no.241:119-132 '62.   (MIRA 15:12)
                    (Gas turbines)

.KIST'YANTS, L.K.; POPLAVSKIY, A.N.; SPIRIN, A.N.; ZOLOTUKHIN, V.N.;
    PAVLENKO, I.K., inzh., retsenzent; POPOV, A.V., inzh.,
    red.; BOBROVA, Ye.N., tekhn. red.

[Depot forging furnaces operated with liquid fuel, natural,
and liquefied gas] Depovskie kuznechnye gorny na zhidkom
toplive, prirodnom i szhizhennom gazakh. Moskva, Trans-
zheldorizdat, 1963. 29 p.   (MIRA 16:7)
        (Forge shops--Equipment and supplies)
            (Railroads--Repair shops)
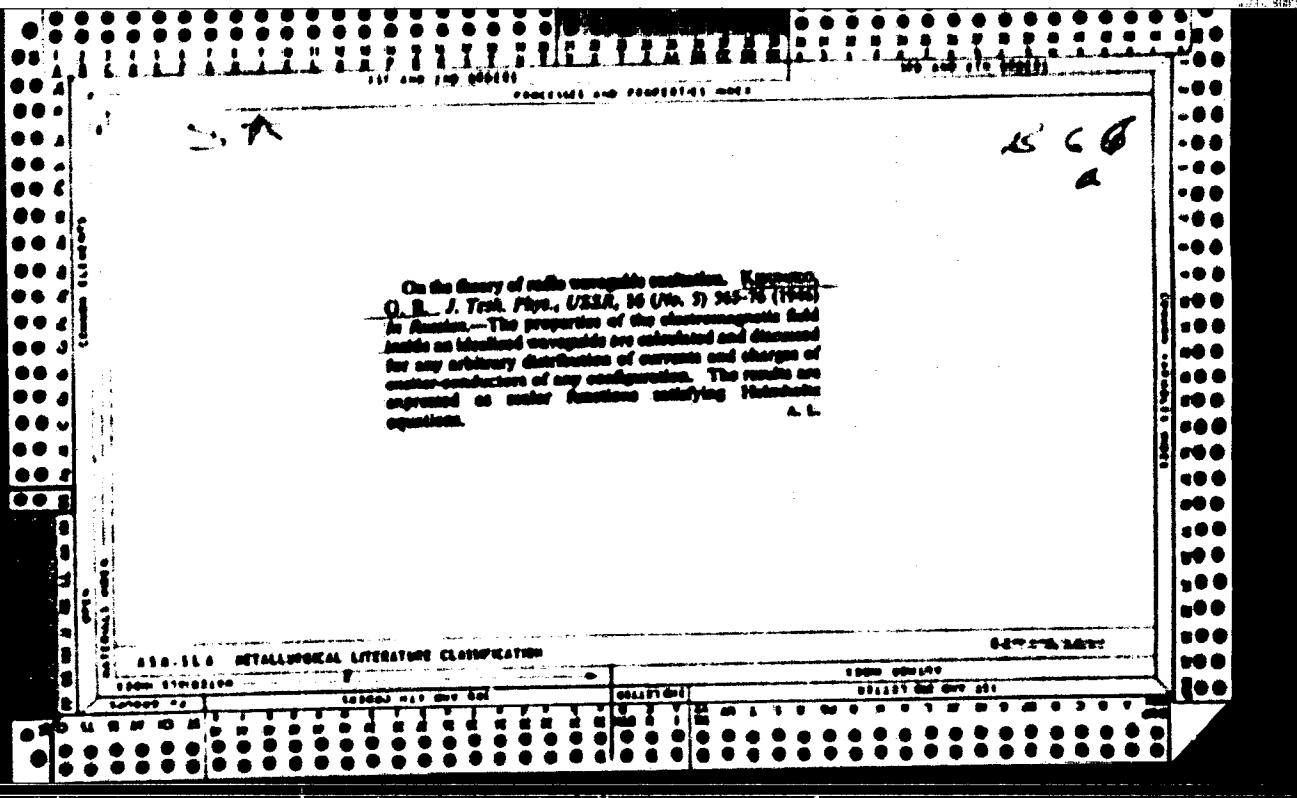
KIST'YANTS, L.K.; NAYMAN, A.M.; SERDELEVICH, G.Ye.; LEBEDEV, B.P.,
doktor tekhn. nauk, prof., retsenzent; VINOGRADOV, N.S.,
retsenzent; METLIKIN, M.Ye., inzh., red.

[Combustion chambers of gas-turbine locomotive engines]
Kamery sgoraniia lokomotivnykh gazoturbinnykh dvigatelei.
Moskva, Mashinostroenie, 1965. 147 p.   (MIRA 18:8)

On the Theory of Excitation of Waveguides

On the theory of radio waveguide excitation. Kaganov, O. B. *J. Tech. Phys., USSR*, 16 (No. 5) 365-78 (1946) in Russian.—The properties of the electromagnetic field inside an idealized waveguide are calculated and discussed for any arbitrary distribution of currents and charges of conductors of any configuration. The results are expressed as scalar functions satisfying Helmholtz equations. A. L.

METALLURGICAL LITERATURE CLASSIFICATION

Kisunko, G. V.

contour S, i.e., of the characteristic function $\mathcal{F}$. or Φ_n of a flat membrane with circumference S and boundary conditions $\Phi_n = 0$ or $\partial\Phi_n/\partial n = 0$, respectively. The field vectors

solutions of these equations apply in the case of an infinitely long guide in the absence of various conductors for electromagnetic waves.

KISUN'KO, G.V.

"Fundamentals of the Theory of Electromagnetic Cavity Resonators"
(Osnovy teorii elektromagnitnykh polykh rezonatorov), No. 1. (Voyennaya
Akademiya svyazi im Budennogo ('Military Academy of Communications imeni Budennyy).
Voyennoye Izdatel'stvo, 72 pp., 1947

IVE

Circuits and Transmission Lines

1873

On the Theory of the Propagation of Electromagnetic Waves in Tubes with Abruptly Varying Cross-Sections.

A mathematical investigation of the propagation of the waves, without reflection, through junta between two waveguides or through a combination of elements, such as diaphragms, transformers, and other similar devices.

USSR/Physics   Sep/Oct 48
    Resonators, Hollow Space
    Waves, Electromagnetic

"One Method for Approximating the Length of Electromagnetic Waves for Hollow Resonators of Irregular Shape," G. V. Kisun'ko, Cand Physicomath Sci, 10½ pp

"Radiotekh" Vol III, No 5

Resonator is divided arbitrarily into simple zones and resonator function are approximated by means of zone functions. Gives detailed analysis of case of free electromagnetic oscillations in uniform isotropic dielectric volumes enclosed by cylindrical

20/49T91

USSR/Physics (Contd)   Sep/Oct 48

envelopes which are ideal conductors. Examines free oscillations in system of parallel cylinders connected to each other by longitudinal slits. Submitted 26 Jan 48.

20/49T91

PA 20/49T91

KISUN'KO, G. V.

KOGAN, Natan L'vovich; MASHKOVETS, Boris Mikhaylovich; TSIBIZOV,
Konstantin Nikolayevich; KISUN'KO, G.V., retsenzent;
YEMELIN, B.F., kand. tekhn. nauk, nauchnyy red.;
ODOYEVTSEVA, I.G., red.; KONTOROVICH, A.I., tekhn. red.

[Complex wave guide systems]Slozhnye volnovodnye sistemy.
Leningrad, Sudpromgiz, 1963.   355 p.   (MIRA 16:4)

1. Chlen-korrespondent Akademii nauk SSSR (for Kisun'ko).
        (Wave guides)

GNEDENKO, Boris Vladimirovich; BELYAYEV, Yuriy Konstantinovich;
SOLOV'YEV, Aleksandr Dmitriyevich; KLININKO, V.G., red.

[Mathematical methods in reliability theory; fundamental
characteristics of reliability and their statistical
analysis] Matematicheskie metody v teorii nadezhnosti; os-
novnye kharakteristiki nadezhnosti i ikh statisticheskii
analiz. Moskva, Nauka, 1965. 524 r.   (MIRA 18:10)

VOROB'YEV, Nikolay Nikolayevich;KISUN'KO, V.G., red.

[Fibonacci's numbers] Chisla Fibonachchi..Izd.2.,dop. Moskva, Nauka, 1964. 69 p. (Populiarnye lektsii po matematike, no.6)
(MIRA 17:11)